

Use of an epoxidation reagent, and process for the preparation of 5-alpha (10-alpha) epoxy-delta 9(11) steroids

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Abstract of EP0298020

An epoxidation reagent comprising hydrogen peroxide and at least one aryl methyl ketone of the formula I in which X represents a fluorine or chlorine atom, R<1>, R<2> and R<3>, which may be identical or different, each represent a C1-C6-alkyl, C6-C10-aryl, C6-C10-Ar-C1-C6-alkyl, O-C1-C6-alkyl, O-C6-C10-aryl radical, a fluorine, chlorine, bromine or hydrogen atom, a cyano, nitro or trifluoromethyl group, an amido radical -CO-NR<4>R<5> or a sulphonyl radical -SO2R<4>, in which R<4> and R<5> are identical or different and each denote a C1-C6-alkyl, C1-C10-aryl or a C6-C10-aryl-C1-C6-alkyl group, in which in the case of -CO-NR<4>R<5> R<4> and R<5> together can form an aliphatic or aromatic 5- or 6-membered heterocycle, or R<1> and R<2> together represent a fused aliphatic or aromatic ring and its use for the epoxidation of organic compounds are described.

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